



# Biochemical Diagnostics, Inc.

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## MATERIAL SAFETY DATA SHEET

### GENERAL INFORMATION

**TRADE NAME:** Dichloromethane

**Catalog Number:** 3506600-4, 3506601-2

Part of Kit: 3506101-1

**Chemical Name:** Dichloromethane, Methylene chloride, Methylene dichloride

**CAS #:** 75 09 2

**Formula:** CH<sub>2</sub>CL<sub>2</sub>

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### INGREDIENTS

**Components:** Dichloromethane

**Threshold Limit Values:** 50 ppm (TWA)

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### PHYSICAL DATA

**Boiling Point:** 39.8C (104F)

**Vapor Pressure:** 400 @ 24C (75F)

**Vapor Density:** 2.9

**Specific Gravity:** 1.33 @ 15C/4C

**Percent Volatile:** N/A

**Evaporation Rate:** 27.5

**Solubility H<sub>2</sub>O:** 1.32 gm.100 gm water @ 20C

**pH:** No information found

**Appearance:** Clear, colorless liquid

**Odor:** Chloroform-like odor

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### FIRE AND EXPLOSION HAZARD DATA

**Flammable Limits in air % by volume:**

**Lel:** 12

**Uel:** 23

**Flash Point:** None

**Auto Ignition Temp:** >556

**Extinguishing Media:** Dry chemical, foam or carbon dioxide. Water spray may be used to keep fire-exposed containers cool.

**Special Fire Fighting Procedures:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Vapors can flow along surfaces to distant ignition source and flash back.

**Unusual Fire and Explosion Hazards:** No explosion hazard under ordinary conditions, but will form explosive mixtures in atmospheres having high oxygen content, in liquid oxygen, potassium, sodium, potassium alloy, nitrogen dioxide.

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### REACTIVITY DATA

**Stability:** Stable under ordinary conditions of use and storage. Avoid contact with open flame and hot surfaces.

**Conditions to Avoid:** Moisture, heat, flames, ignition sources and incompatibles.

**Incompatibility:** Strong oxidizers, strong caustics, plastics, rubber, nitric acid, water and heat.

**Materials to Avoid:** Aluminum or magnesium powder, oxidizing agents, nitrogen tetroxide, ammonia, dimethyl amino propylamine.

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition:** Emits highly toxic fumes of phosgene when heated to decomposition.

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**ENVIRONMENTAL PROTECTION PROCEDURES**

**Spill Response:** Ventilate area of leak or spill. Remove all sources of ignition. Clean up personnel require protective clothing and respiratory protection from vapors. Contain and recover liquid when possible.

**Waste Disposal Method:** Collect as hazardous waste and atomize in a suitable RCRA combustion chamber or absorb with vermiculite, dry sand, earth or similar material for disposal of hazardous waste in a RCRA approved facility. Do not flush to sewer. Ensure compliance with local, state and federal regulations.

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**SPECIAL PROTECTION INFORMATION**

**Eye Protection:** Use chemical safety goggles and/or a full face shield where splashing is possible.

**Skin Protection:** Wear impervious protective clothing, including boots, gloves, lab coat, apron.

**Respiratory Protection:** NIOSH approved. If the exposure limit is exceeded, wear a supplied air, full face-piece respirator.

**Ventilation:** A system of local and/or general exhaust is recommended to keep employee exposures below the airborne exposure limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

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**SPECIAL PRECAUTIONS**

**Insert Precautions:**

Store tightly closed, Do not get in eyes, skin or on clothing.

**Contaminated Equipment Precautions:** Wash thoroughly with soap and water.

**Hygienic Handling and Storage:** Wash thoroughly with soap and water. Remove contaminated clothing.

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**EMERGENCY AND FIRST AID PROCEDURES:**

**Ingestion:** If swallowed, induce vomiting immediately as directed by medical personnel or by giving two glasses of water then sticking fingers down throat.

**Inhalation:** Remove to fresh air, give oxygen and CPR as needed. A central nervous system depressant. Causes irritation to respiratory tract.

**Skin Contact:** Wash with water, causes irritation to skin. Suspect cancer Hazard. Risk of cancer depends on duration and level of exposure.

**Eye Contact:** Flush with copious amounts of water for 15 minutes. Causes irritation to eyes, seek medical attention.

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<b>Health:</b>	2	Moderate
<b>Flammability :</b>	1	Slight
<b>Reactivity:</b>	0	None

*The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, we make no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, we will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either express or implied of merchantability fitness for a particular purpose or of any other nature made hereunder with respect to the information set forth herein or to the product which the information refers.*